

WHAT IS CLAIMED IS:

- 1 1. A method of identifying a compound that inhibits binding of MUC1 to a tumor
2 progressor, the method comprising:
 - 3 (a) providing a MUC1 test agent;
 - 4 (b) providing a tumor progressor test agent that binds to the MUC1 test agent;
 - 5 (c) contacting the MUC1 test agent with the tumor progressor test agent in the
6 presence of a test compound; and
 - 7 (d) determining whether the test compound inhibits binding of the MUC1 test agent
8 to the tumor progressor test agent.
- 1 2. The method of claim 1, wherein the tumor progressor test agent is a c-Src test agent.
- 1 3. The method of claim 1, wherein the tumor progressor test agent is a p120^{ctn} test agent.
- 1 4. The method of claim 1, wherein the tumor progressor test agent is an epidermal
2 growth factor receptor (EGF-R) test agent.
- 1 5. The method of claim 1, wherein the tumor progressor test agent is a β -catenin test
2 agent.
- 1 6. The method of claim 1, wherein the tumor progressor test agent is a protein kinase C δ
2 (PKC δ) test agent.
- 1 7. The method of claim 1, wherein the contacting is carried out in a cell-free system.
- 1 8. The method of claim 1, wherein the contacting occurs in a cell.

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